

CLAIMS

1. Implantable bipolar stimulating electrode (1), comprising a cathode (3) adapted to be fixed in the heart (2), an anode (4) forming a second pole and at a distance to the cathode (3), and a connector (5) for connecting the stimulating electrode (1) to an implantable cardiac pacemaker (7), wherein at the cardiac pacemaker the connector (5) is adapted to be located outside of a vein which leads to the heart (2) and through which the stimulating electrode (1) is guided to the working position, the anode (4) is arranged near or on the connector (5) on a side facing away from the cardiac pacemaker (7) such that in the working position the anode(4) is located between the connector (5) and an entrance into the vein (8).

2. A stimulating electrode according to Claim 1, wherein the anode (4) is arranged directly adjacent to a socket (9) of the connector (5).

3. A stimulating electrode according to Claim 1, wherein on the side of the anode (4) facing away from the cardiac pacemaker (7) and the connector (5), there is at least one of a receiver part (10), a coupling (11), or an adapter (12) for connecting to a proximal end of the stimulating electrode (1).

4. A stimulating electrode according to Claim 1, wherein the anode (4) is formed as a bare metal sleeve on an outside thereof, made from at least one of platinum, platinum-iridium, or a material with good conductive properties.

5. A stimulating electrode according to Claim 1, wherein the anode (4) is a perforated anode, and is arranged as a coil or sleeve within a perforated silicon jacket (17).

6. A stimulating electrode according to Claim 1, wherein the anode (4) is formed as a coil made from bare wire.

7. A stimulating electrode according to Claim 1, wherein at least a second anode (4) that is insulated from the first anode and located adjacent to the connector (5) is provided, the anodes are arranged on a common carrier (18) one behind the other and are allocated to at least two cathodes (3) that can be attached in the heart (2).

8. A stimulating electrode according to Claim 7, wherein there is a fork (19) for the supply lines (20) to the cathodes (3) at an end of the common carrier (18) for the anodes (4).